

INTERNATIONAL SEARCH REPORT

IB2004/003769

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60H1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60H F25B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/115896 A1 (FINKENBERGER THOMAS ET AL) 26 June 2003 (2003-06-26) cited in the application abstract	1
A	FR 2 833 886 A (VALEO CLIMATISATION) 27 June 2003 (2003-06-27) page 2, line 9 - line 12 page 3, line 27 - line 32 page 4, line 1 - line 2 page 4, line 8 - line 11	1
A	US 5 655 378 A (PETTERSEN JOSTEIN) 12 August 1997 (1997-08-12) column 2, line 17 - line 28 abstract	1
-/--		

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

7 February 2005

Date of mailing of the international search report

11/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

Authorized officer

Gronh5ck M I

INTERNATIONAL SEARCH REPORT

IB2004/003769

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 298 674 B1 (FINKENBERGER THOMAS ET AL) 9 October 2001 (2001-10-09) column 2, line 43 - line 46 abstract	1
A	US 2002/023451 A1 (TOMATSU YOSHITAKA ET AL) 28 February 2002 (2002-02-28) paragraph '0056! abstract	1

INTERNATIONAL SEARCH REPORT

IB2004/003769

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2003115896	A1	26-06-2003	DE	10157461 A1	28-05-2003
			FR	2834551 A1	11-07-2003
FR 2833886	A	27-06-2003	FR	2833886 A1	27-06-2003
			AU	2002364420 A1	09-07-2003
			EP	1456045 A1	15-09-2004
			WO	03053727 A1	03-07-2003
US 5655378	A	12-08-1997	NO	924797 A	13-06-1994
			AU	5720594 A	04-07-1994
			DE	69315087 D1	11-12-1997
			DE	69315087 T2	04-06-1998
			EP	0672233 A1	20-09-1995
			ES	2111285 T3	01-03-1998
			JP	2804844 B2	30-09-1998
			JP	8504501 T	14-05-1996
			WO	9414016 A1	23-06-1994
US 6298674	B1	09-10-2001	DE	19935731 A1	15-02-2001
			FR	2797036 A1	02-02-2001
			IT	RM20000406 A1	21-01-2002
			JP	2001071742 A	21-03-2001
US 2002023451	A1	28-02-2002	JP	2003002048 A	08-01-2003
			DE	10141592 A1	14-03-2002